



5-YEAR TRANSPORTATION PLAN for DOUGLAS COUNTY, NEVADA

FY 2016/2017 through FY 2020/2021

Prepared for: Douglas County Regional Transportation Commission,
Tahoe-Douglas Transportation District Board, and
Douglas County Board of Commissioners

Prepared by: Douglas County Public Works

FINAL March 17, 2016

I. BACKGROUND INFORMATION

This 5-Year Transportation Plan has been developed to meet the projected short-term transportation needs of Douglas County from the current fiscal year through 2020/2021. The goal of the 5-Year Plan is to provide a safe and efficient multi-modal transportation system that will facilitate vehicular, bicycle, pedestrian and transit modes within the constraints provided by existing funding sources. Projects for which funding has been identified are shown in the Plan with **bold** lettering. Projects that have been identified as being needed but which are unfunded, and projects that will be funded by others, are included in the plan with appropriate notation regarding funding or the lack thereof. The funding spreadsheet at the end of the Plan includes only those projects that are funded or partially funded. Staff updates the 5-Year Transportation Plan annually through a series of public meetings. The Plan was previously updated on March 17, 2016.

This document is a planning guide and is not intended to deliver projects exactly as described by the proposed dates. The Plan is subject to revisions and changes that may be caused by actual versus projected growth rates, identification of additional projects, funding constraints, right-of-way acquisition delays, changing priorities, permitting and environmental issues.

II. IDENTIFICATION OF PROGRAMS AND PROJECTS

The 5-Year Plan consists of seven programs. The projects within each program are generally listed in the order in which staff believes the projects will be constructed, based on information contained in the Master Plan, projected traffic conditions, various planning documents, actions by the Board of County Commissioners and other political and transportation entities, and staff's judgment and knowledge of current conditions in the development and transportation communities. The seven programs are listed below:

1. Routine Maintenance
2. Preventative Maintenance
3. Engineering and Investigation
4. Rehabilitation
5. New Construction and Capacity Improvements
6. Intersection Improvements
7. Transit
8. Bike and Pedestrian Facilities

The ***Routine Maintenance Program*** includes the grading of unpaved roads, grading of shoulders on paved roads, striping, snow removal, patching, and maintenance of drainage ditches and drainage structures, guardrails, traffic control signage, roadside markers, traffic signals, etc.

The ***Preventative Maintenance (or surface seal) Program*** consists of fog seals, slurry seals and chip seals. Surface seals are used to seal the pavement surface and prevent the infiltration of moisture into the base and subgrade, and to slow the degradation of the pavement surface due to weather and traffic. This program can also include asphalt concrete overlays on existing paved roads.

The ***Engineering and Investigation Program*** consist of preliminary field investigation and structural section design (Geotechnical Engineering). This program will be performed in the fiscal year prior to construction so alternatives can be determined and selected and a construction budget can be better quantified in advance. This will also allow for engineering design for the project to start earlier and construction bids to be received in early spring to get better prices.

The **Rehabilitation Program** generally consists of the structural repair of existing paved roads, usually by means of reconstruction. Reconstruction often involves the removal of the existing roadway structural section (pavement, aggregate base, subbase) and the construction of a new structural section. It might also include the recycling of existing pavements for use as base material prior to repaving. It could include the surfacing of unpaved roads, and thick overlays on pavements, as well as bridge repairs and culvert extensions.

The **New Construction & Capacity Improvements Program** includes new road construction and realignment of existing roads. It could also include adding traffic lanes and other improvements that increase the capacity of the existing roads or intersections, or provide improvements for biking, walking, or transit.

The **Intersection Improvement Program** includes the design and construction of traffic signals, roundabouts, and other intersection modifications. It could also include adding traffic lanes and other improvements that increase the capacity of the existing roads or interactions, or provide improvements for biking, walking, or transit.

The **Transit Program** includes projects designed to reduce the number of private vehicles operating on roads within Douglas County, or to facilitate transportation for those who cannot transport themselves (i.e., elderly, disabled, or those who do not own vehicles). The program includes public transit systems and related facilities.

The **Bicycle and Pedestrian Facilities Program** includes paths and walkways for cyclists and pedestrians, bicycle lanes, pedestrian ramps and related improvements.

The projects listed in the 5-Year Transportation Plan have been identified from the following sources:

Public Input

- Input received from the South Shore Transportation Management Association (SS/TMA) and transportation providers at Lake Tahoe
- Douglas County Community Development
- Douglas County Public Works
- Douglas County Master Plan (April 18, 1996 and subsequent updates)
- Douglas County Master Plan Capital Improvements Plan (June 14, 1996)
- Douglas County Board of Commissioners (including development agreements)
- Douglas County Comprehensive Trails Plan (June 5, 2003 and subsequent updates)
- US 395 Southern Sierra Corridor Study (2007)
- 2007 Douglas County Transportation Plan (update to 1996 Transportation Master Plan)
- Douglas County Regional Transportation Commission
- Nevada Department of Transportation
- Town of Gardnerville
- Town of Minden
- Regional Transportation Plan – Mobility 2013, dated December 12, 2012,
- Lake Tahoe Region Bicycle and Pedestrian Plan, 2010
- South Shore Area Plan, September 25, 2013
- Linking Tahoe: Active Transportation Plan – TRPA 2016

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
PROJECT COSTS AND FUNDING INFORMATION

Although care was taken to estimate the cost of projects in the 5-Year Plan, actual costs will vary based on engineering testing, detailed analysis and engineering design. The general assumptions and financial constraints used in the preparation of the 5-Year Plan are identified below:

A.	Gas tax revenues will increase approximately \$900,000 due to the additional 5-cent increase in the County gas tax. The additional 5-cent gas tax increase goes into affect on February 1, 2016. \$300,000 from the additional 5-cent Gas is designated to go into reserves for the US 50 South Shore Community Revitalization Project at Lake Tahoe until the Parking Garage Bond payment can replace in FY 20/21.
B.	Salaries and benefits are expected to grow at a rate of 2% per year.
C.	Project costs have been estimated in current dollars.
D.	Roadway maintenance costs, including grading of gravel roads, grading of shoulders, striping, patching, routine traffic signal maintenance, sign maintenance, snow plowing, etc., are included in the 5-Year Plan. The Road Maintenance Department performs this work, except for snow removal at Lake Tahoe, which is done by private contractors and paid for from Road Maintenance Department funds (6.35-cent gas tax). The road maintenance operational costs for the Carson Valley and Topaz Lake areas are funded from the mandatory gasoline tax (6.35 cents/gallon) and the 1% room tax collected in the Carson Valley. Road maintenance costs at Lake Tahoe were historically funded from the 1% room tax collected at the Lake. However, beginning in FY 11/12 the road maintenance costs at Lake Tahoe have been paid from the 6.35-cent gasoline sales tax and the 1% room tax collected in the Carson Valley. The Board of Commissioners approved a transfer of \$191,000 from the General Fund to the 6.35 cent gas tax fund for use by the Road Maintenance Division for routine maintenance for FY 12/13, primarily for items such as paint, asphalt patching material and crack filling material, and increased the (annual and ongoing) transfer to \$214,343 beginning in FY 13/14.
E.	The \$3,000,000 Highway Bond proceeds were utilized for projects on a countywide basis as approved by the RTC and Board of Commissioners. Debt service on the bond is paid from the 9-cent Gas Tax. The debt payments (approximately \$224,000/year) are scheduled to end in FY 2017-2018.
F.	Debt service for the bond for the parking garage at Stateline is paid from the 1% TOT collected at Lake Tahoe. Debt service on the bond (approximately \$289,000/year) is scheduled to end in FY 2019-2020.
G.	NRS 244.33512 allows the 1% room tax to be used for transit projects.
H.	The use of mitigation funds for construction of improvements, operations and maintenance, purchase of equipment, engineering design of improvements, etc., is addressed in TRPA's Air and Water Quality Mitigation Fund Release Policy Guidelines approved by the TRPA Governing Board June 23, 2010.
I.	For some of the Transit and Bicycle/Pedestrian facilities, staff has assumed that alternative funding sources (such as grants) will provide much of the funding, with matching funds provided by the County. Many of these projects will likely not be realized without grant funding.

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
PROJECT COSTS AND FUNDING INFORMATION

J.	NRS Chapters 365, 366, 373, and 377A allow the full 9-cent gasoline tax to be used for patching, chip seals, slurry seals, general maintenance, etc.
K.	The Board approved a transfer of \$140,000 from property taxes to the Regional Transportation Commission (RTC) in FY 12/13 and increased the transfer for FY 13/14 to \$393,743 plus an additional \$655,895 for a total of \$1,053,638 in FY 13/14.
L.	The Board of Commissioners approved the \$500/unit residential construction tax with Ordinance No. 97-769 following approval by the voters in 1996. This applies to individual apartment units, townhouses and condominiums. The ordinance allows the money collected to be used for construction and maintenance of street and highway projects. Historically this money has been used for chip seals, slurry seals and overlays.
M.	The Board of Commissioners approved the \$0.50/SF commercial construction tax with Ordinance No. 2004-1063. The ordinance allows the money collected to be used for construction and maintenance of street and highway projects. Historically this money has been used for chip seals, slurry seals and overlays.

Roads = Douglas County Road Department; **DCPW** = Douglas County Public Works; **Parks** = Douglas County Parks Department; **RTC** = Regional Transportation Commission
DCCD = Douglas County Community Development; **2007 DCTP** = 2007 Douglas County Transportation Plan; **CAMPO** = Carson Area Metropolitan Planning Organization;
Public = Public Input; **CIP** = 1996 Capital Improvement Program; **BCC** = Board of County Commissioners; **1996 MP** = 1996 Master Plan;
GARD = Town of Gardnerville; **Minden** = Town of Minden; **DC School** – Douglas County School District; **BCC** = Douglas County Board of Commissioners
US395 Study = US 395 Southern Sierra Corridor Study; **TRPA** = Tahoe Regional Planning Agency; **2008 & 2012 RSA's** = NDOT Road Safety Audits;
NDOT = Nevada Dept. of Transportation (Annual Work Program); **NDOT LRE** = NDOT Long Range Element for Douglas County; **TRPA ATP** = TRPA Active Transportation Plan
TTD – Tahoe Transportation District; **LTRPBB** = Lake Tahoe Region Bicycle and Pedestrian Plan, 2010; **TMPO** – Tahoe Metropolitan Planning Organization;
SSTMA = South Shore Transportation Management Association; **SSAP** = South Shore Area Plan; **NEEDS** = 1998 Transportation Needs Assessment;

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
CHANGES MADE TO THE 5-YEAR PLAN

PROJECT DESCRIPTION	REASON FOR DELETION
Toler Road From Elges Lane to Willow Creek	Project completed
Waterloo Lane from SR756 to US 395	Project completed
Waterloo Lane at US395 Intersection Improvements	Observed traffic pattern favors the separate right turn lane over a shared thru/right.
Vista Grande Boulevard Improvements	Project completed
Zephyr Cove Stables Multi Use Trail Extension to Warrior Way	Project payment has been made to USFS in January 2016, construction summer of 2016

PROJECT DESCRIPTION	REASON FOR ADDITION
Mottsville Lane from Foothill Road to SR88 rehab project	Poor PCI - Geotech Engineering done in December of 2015
Centerville Lane from Foothill Road to SR88 rehab project	Poor PCI - Geotech Engineering done in December of 2015
Warrior Way Intersection Safety Improvements	Per the TRPA Active Transportation Plan
Bus Shelters at Various Locations in Tahoe-Douglas	Requested by South Shore Transportation Management Association

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN

Current Year Projects

PROJECT DESCRIPTION	STATUS
2015 Road Seal and Overlay Project	Improvements were completed in 2015.
Waterloo Lane #1 Rehab Engineering Design Contract	Engineer plans are finalized, need to find funding.
Johnson Lane Erosion Repair Project	Project was completed July 2015
Waterloo (SR756 to US395) Roadbed Modification Project	Improvements completed September 2015. Granite Const. was the contractor
Toler Lane Roadbed Modification Project	Improvements completed September 2015. Granite Const. was the contractor
Jacks Valley Road Geotechnical Investigation and Pavement Design	Design is underway. Construction scheduled for early summer.
Buckeye Road Geotechnical Investigation and Pavement Design	Design is underway. Construction scheduled for early summer.
Mottsville Road Geotechnical Investigation and Pavement Design	Geotechnical Investigation design has started. Eastern Sierra Engineer
Centerville Road Geotechnical Investigation and Pavement Design	Geotechnical Investigation design has started. Eastern Sierra Engineer
Dresslerville Road Geotechnical Investigation and Pavement Design	Geotechnical Investigation design has started. Eastern Sierra Engineer
Zepher Cove Forest Service Multi-Use Path to Warrior Way	Agreement with USFS finalized and design started. Summer Construction

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
ROUTINE MAINTENANCE PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	General road maintenance including grading of unpaved roads, shouldering, striping, snow removal, patching, maintenance of drainage improvements to guardrails, signage, traffic signals, equipment purchases, crack seal material, etc. (Road Maintenance Division budget)	\$1,503,000	FY 16/17	Roads	\$1,503,000	Funding includes estimated \$1,109,000 from 6.35 cent gas tax plus \$78,115 in TOT collected in the Carson Valley plus \$214,343 transfer from property tax and \$200,000 transfer from RTC 430. Includes snow plowing and power bills for Tahoe since FY 10/11. Total estimated cost includes Salaries, benefits and insurance for personnel.
		\$1,503,000	FY 17/18	Roads	\$1,503,000	
		\$1,503,000	FY 18/19	Roads	\$1,503,000	
		\$1,503,000	FY 19/20	Roads	\$1,503,000	
		\$1,503,000	FY 20/21	Roads	\$1,503,000	
2	Stateline Storm water System The current contract with H2O to clean the system is good through June 30, 2015. Our average annual assessment for the Association is \$3,000 and is based on our contributing area of storm drain runoff. Starting July 1, 2011.	\$15,000	ONGOING/ANNUAL	DCPW	\$15,000	Current contract cost to clean DC facilities is \$9,260 annually. Previous assessments for Assoc. were \$8,208 on 7/1/06, \$5,915 on 4/14/09, and \$8,872 on 9/14/11. Shifted from TDTD to Road Dept.
3	Snow removal for the Stateline parking garage.	\$25,000	ONGOING/ANNUAL	Parks	\$25,000	Funding continues to be from the TDTD to reimburse the Parks Department for snow removal. The garage provides parking for transit users and others.

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
PREVENATIVE MAINTENANCE PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	Road Seal/Overlay: (LIST 2016 ROADWAYS FROM PCI TABLE)	\$550,000	FY 17/18	DCPW	\$550,000	Award contract in spring for construction in summer of 2016. Subject to change.
2	Road Seal/Overlay: (LIST 2017 ROADWAYS FROM PCI TABLE)	\$550,000	FY 18/19	DCPW	\$550,000	Award contract in spring for construction in summer of 2017. Road list is needed.
3	Road Seal/Overlay: (LIST 2018 ROADWAYS FROM PCI TABLE)	\$600,000	FY 19/20	DCPW	\$600,000	Award contract in spring for construction in summer of 2018. Road list is needed.
4	Road Seal/Overlay: (LIST 2019 ROADWAYS FROM PCI TABLE)	\$600,000	FY 20/21	DCPW	\$600,000	Award contract in spring for construction in summer of 2019. Road list is needed.
5	Road Seal/Overlay: (LIST 2020 ROADWAYS FROM PCI TABLE)	\$600,000	FY 21/22	DCPW	\$600,000	Award contract in spring for construction in summer of 2020. Road list is needed.

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
ENGINEERING AND INVESTIGATION PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	Geotechnical Engineering on various roadways for budget planning	\$200,000	FY 16/17	DCPW	\$200,000	Roads to be determined from PCI priority
2	Geotechnical Engineering on various roadways for budget planning	\$200,000	FY 17/18	DCPW	\$200,000	Roads to be determined from PCI priority
3	Geotechnical Engineering on various roadways for budget planning	\$120,000	FY 18/19	DCPW	\$120,000	Roads to be determined from PCI priority
4	Geotechnical Engineering on various roadways for budget planning	\$135,000	FY 19/20	DCPW	\$135,000	Roads to be determined from PCI priority
5	Geotechnical Engineering on various roadways for budget planning	\$180,000	FY 20/21	DCPW	\$180,000	Roads to be determined from PCI priority
6	Geotechnical Engineering on various roadways for budget planning	\$200,000	FY 21/22	DCPW	\$200,000	Roads to be determined from PCI priority

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
REHABILITATION AND RECONSTRUCTION PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	Buckeye Road from Heybourne Road To Orchard Road – Recycle existing pavement and construct new pavement.	\$1,250,000	FY 16/17	DCPW	\$1,250,000	Award contract in spring for construction in summer of 2016. Project in design, construction dependent on final cost estimate.
2	Jacks Valley Road from Alpine View to James Caynon – Recycle existing pavement and construct new pavement.	\$2,000,000	16/17	DCPW	\$2,000,000	Award contracts in spring for construction in summer of 2017. Project in design 2016, construction dependent on final cost estimate.
3	Jacks Valley Road from James Caynon to Genoa – Recycle existing pavement and construct new pavement.	\$2,406,000	16/17	DCPW	\$2,406,000	Award contracts in spring for construction in summer of 2018. Project in design 2017, construction dependent on final cost estimate.
4	Pioneer Trail Ranch Subdivision. Import AC Grindings to reduce mud and dust issues.	\$100,000	16/17	DCPW	\$100,000	High maintenance due to mud and rutting.
5	Bridge and culvert improvements; Existing culverts end at edge of pavement.	Undetermined	Undetermined	DCPW/NDOT LRE	Undetermined	Either extend existing double-barrel culvert or replace with a single box culvert.
6	Bridge & culvert improvements; upgrade bridge rails, or lengthen culverts. Possible guardrail work. Locations to be determined.	Undetermined	FY 16/17	DCPW	\$60,000	Waterloo #1 Culvert upgraded Feb 2015. B-1330 on Mottsville Lane, and B-1601 on Centerville Lane are included in the NDOT 2009 work program, \$150K each. Check with NDOT re: status of bridge projects and possible inclusion.
		Undetermined	FY 17/18	DCPW	\$60,000	
		Undetermined	FY 18/19	DCPW	\$60,000	
		Undetermined	FY 19/20	DCPW	\$80,000	
		Undetermined	FY 20/21	DCPW	\$80,000	
7	Drainage improvements to Fredericksburg Road at Foothill intersection.	\$90,000	FY 16/17	RTC	\$90,000	Flooding is causing problems with the pavement and is a public hazard.
8	Mottsville Lane from Foothill to SR 88. Reconstruct pavement section with roadbed modification.	\$2,100,000	16/17	DCPW	\$2,100,000	Award contracts in spring for construction in summer of 2017. Project in design 2016, construction dependent on final cost estimate.

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
REHABILITATION AND RECONSTRUCTION PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
9	Centerville Lane from Foothill to SR 88. Reconstruct pavement section with roadbed modification.	\$2,010,000	17/18	DCPW	\$2,010,000	Award contracts in spring for construction in summer of 2017. Project in design 2016, construction dependent on final cost estimate.
10	Waterloo Lane from SR 756 to SR 88; reconstruct within existing R/W.	\$2,300,000	FY 18/19	DCPW	\$2,300,000	Project is 90% designed.
11	Rehabilitation of collector roads, specific roads to be determined.	\$2,200,000	FY 19/20	DCPW	\$2,200,000	Potential roads include Dresslerville Rd from SR756 to Riverview Drive, Johnson Lane, Pinenut Road, Fredricksburge to CA
		\$3,200,000	FY 20/21	DCPW	\$3,200,000	
		\$1,000,000	FY 21/22	DCPW	\$1,000,000	
		\$1,500,000	FY 22/23	DCPW	\$1,500,000	
12	2014 Food Damage Repair	\$75,000	FY 16/17	DCPW/BOCC	\$75,000	Johnson Lane and Fish Spring Flood Issues UNFUNDED.
13	SR 88 Seismic Retrofit, Scour Countermeasures and bridge rehab for Structures B-553, B-575, B-580, B-578 and B-627	\$200,000	FY 17/18	NDOT	\$0	Project is part of the NDOT Statewide Transportation Improvement Program
14	Kahle Drive; Reconstruct roadway to complete street improvement and US 50 Intersection enhancements. The area has been included in the Douglas County Redevelopment Area. See Kahle Drive Vision Complete Streets plan.	\$2,283,000	Undetermined	DCPW, SSTMA, TRPA ATP	Undetermined	Reconstruct road with cost sharing from the Beach Club project. Need geotechnical evaluation. Redevelopment District area may be a source of funding. UNFUNDED
15	Plymouth Drive from US 395 to the IHGID boundary at Tennant Lane; Repave, possible new C&G, sidewalk.	Undetermined	Undetermined	DCPW	Undetermined	Possible transfer of maintenance responsibilities for this road to IHGID after rehabilitation. UNFUNDED
16	Dump Road from the NDOT station entrance to the landfill entrance. Reconstruct to collector road standards.	Undetermined	Undetermined	DCPW	Undetermined	Geotechnical report shows this road has no aggregate base. Possible funding from landfill franchise fees. UNFUNDED.
17	Tillman Lane from Kimmerling South; improve drainage system; Existing system is inadequate.	Undetermined	Undetermined	Undetermined	Undetermined	Possible cost sharing with GRGID. Need to improve drainage system before reconstruction of the road. UNFUNDED
18	Tillman Lane from Kimmerling South; Reconstruct pavement section.	Undetermined	Undetermined	DCPW	Undetermined	Pavement failed. Reconstruct road after improvement of drainage system. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
REHABILITATION AND RECONSTRUCTION PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
19	Dresslerville Indian Community; Reconstruct county-maintained roads.	\$740,000	FY 15/16/17	DCPW/NDOT TTP	\$0	Reconstruct roads. Coordinate with the Tribe. NDOT to do RSA 2015 also in NDOT Statewide Transportation Improvement Program. Tribal Transportation Program
20	County Road from SR88 to US395; Construct storm drain along County Road.	Undetermined	Undetermined	CIP	Undetermined	Cannot be connected to Town's enhancement drainage project. UNFUNDED
21	Saratoga Street #1 from Vicky lane east to the end of pavement at Armil	Undetermined	Undetermined	BCC	Undetermined	Reconstruct to standards following sewer construction. UNFUNDED
22	Lupo Lane Drainage Improvements upsize culvert and stabilize drainage channel.	\$70,000	Undetermined	DCPW	\$70,000	Lupo was damaged by flooding In January 2006. Will design in-house. UNFUNDED
23	Topaz Culvert Improvements	\$300,000	Undetermined	DCPW	\$300,000	Improvements based on 2014 Topaz Drainage Study. UNFUNDED
24	Reconstruct Agate Court, Calcite Circle, Tourmaline Way, Carnelian Way, Basalt Drive, Tourmaline Drive and Granite Court.	Undetermined	Undetermined	DCPW	Undetermined	These roads are in the "donut hole" of the Indian Hills GID. Reconstruct using Redevelopment funds and give to IHGID for maintenance. UNFUNDED
25	Pinenut Road #2 – rehab with AC Grindings or millings.	Undetermined	Undetermined	Public	Undetermined	The County has received a number of requests regarding this road. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	Vista Grande Blvd. road extension; construct from Jacks Valley Rd. north to meet existing pavement. Possible participation by NDOT to improve the US 395 corridor.	\$1,800,000	FY 17/18	2007 DCTP	\$1,800,000	Needed to maintain LOS C on county roads per the 2001 DCTP. Provides alternative north/south route parallel to US 395. It is to be funded with Redevelopment funds. Need easement or land transfer from the USFS. UNFUNDED
2	Zerolene Road, construct 2-lane minor collector from US 395 to Heybourne Road. County will acquire a small triangle of Right-of-way at the 395/Zerolene intersection. The Ranch must construct Zerolene by 2024.	\$3,900,000	2015 – 2024	2007 DCTP	\$15,000	Needed to maintain LOS C on county roads per 2007 DCTP. Right-of-way acquisition by the Ranch at Gardnerville”. See Ord. 2012-1371 for phasing timing. UNFUNDED
3	North County – Construct new roads to serve commercial development. Needed to maintain LOS C on county roads per 2007 DCTP.	\$3,100,000	FY 16/17	2007 DCTP	\$250,000	Design and construction by developers. County Funding from North County deferred revenue account. Other funding by developer. FUNDED BY OTHERS
		\$3,000,000	FY 17/18	2007 DCTP	\$250,000	
4	Bridge/culvert on East Valley Road for Johnson Lane Wash with a new structure. Construct bridge before EVR extension.	\$250,000	Undetermined	DCPW	\$250,000	Replace existing dip section with bridge, or ConSpan arch culvert. Drainage analysis completed, but Construction is UNFUNDED.
5	East Valley Road extension, from Fremont Street northwest to East Valley Road south of Johnson Lane; construct new all-weather road from AC grindings.	\$90,000	Undetermined	Undetermined	\$90,000	\$90K contract to construct subgrade, \$30K to Roads to place AC grindings. UNFUNDED
		\$30,000	Undetermined	Undetermined	\$30,000	
6	Construct left turn lane on Pinenut Road eastbound at Sawmill Road. Old Sawmill Park contributed \$8,400 on 5/4/09 toward these improvements.	Undetermined	Undetermined	DCPW	Undetermined	Identified as needed by traffic studies for Old Sawmill Park (Pete Beekhof) and Sawmill Road Properties (David Williams). UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
7	Muller Parkway "B", from the eastern boundary of Nevada LLC (approx. 2400' east of US395) to the eastern boundary of Park Cattle Co. (Monterra Subd.) 4-lane divided roadway, approx. 4300 feet. B1 must be constructed no later than Aug. 31, 2017. B2 must be constructed no later than Aug. 31, 2021	Undetermined	2017-2021	2007 DCTP	\$0	Monterra must build this per Ord. No. 2009-1300, the 2nd Amendment to their development agreement. The Ranch at G'Ville may have some responsibility for this segment Ord. 2012-1377 extended the time frame for the road improvements. FUNDED BY OTHERS
8	Muller Parkway "C", from the eastern Boundary of Monterra subdivision to Buckeye Rd. Construct 4-lane divided roadway. Length approx. 6400 feet. Needed to maintain LOS C on county roads. The County's obligation to the H&S property. construct is tied	\$4,300,000	Undetermined	2007 DCTP	\$2,200,000	County must build 2 lanes, rural standard, within 7 years of ROW conveyance, and reimburse Park for relocating the slough on APN 1320-28-000-011, per Ordinance 2004R-1097. However, Ord. 2013-1391 repealed the Ashland Park Development Agreement, which could affect Ord. 2004R-1097 per the Distr. Att.
9	Muller Parkway "D", from Buckeye Rd. south to H&S development north of Toler. Construct 4-lane divided roadway. Length approx. 6100 feet. Ord. 2013-1391 repealed the Ashland Park Development Agreement, and could affect Ord. 2004R-1097.	\$4,100,000	Undetermined	2007 DCTP	\$2,100,000	County must build 2 lanes, rural standard, within 5 years of ROW Conveyance per Ord. 2004R-1097 Needed to maintain LOS C or D. Future R/W shown on Park Cattle Co. record of survey document #732299. UNFUNDED
10	Muller Parkway "E", through H&S property south to Toler Lane and east of Stodick Park. Construct 4-lane divided roadway. Length approx. 2800 feet. There is no R/W for these improvements. This affects the timing of segments C & D under Ord. 2004R-1097.	\$2,000,000	Undetermined	2007 DCTP	\$1,000,000	H&S was required to build the Westerly 2 lanes per Ord. No. 2004-1098. However, the Ashland Park approval expired 1/18/13 and Ord. 2013-1391 repealed the development agreement. Needed to maintain LOS C. UNFUNDED.
11	Muller Parkway "G", through Virginia Ranch subdivision from Stodick Estates South to Grant Avenue. Construct 4-lane divided roadway. Length approx. 5600 feet. To be constructed by Virginia Ranch "as needed in phases" per the Settlement Agreement.	Undetermined	Undetermined	2007 DCTP	\$0	Construction by developer. Needed to maintain LOS C on county roads. Refer to the Settlement Agreement dated February 19, 2009. FUNDED BY OTHERS

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
12	Muller Parkway "H" from Grant Avenue to Virginia Ranch Road. Construct 4-lane divided roadway, length 1400'. Easterly 2 lanes to be constructed by Virginia Ranch "as needed in phases" per the Settlement Agreement.	Undetermined	Undetermined	2007 DCTP	\$0	Westerly 2 lanes were constructed in 2012 by Virginia Ranch with the Wal-Mart improvements. FUNDED BY OTHERS
13	Muller Parkway "I" from Virginia Ranch to the Virginia Canal. Construct 4-lane divided roadway, length 800'. The Virginia Ranch Development is required to construct the easterly 2 lanes by December 2, 2014 via its Agreement with the Gardnerville Town Water Company.	Undetermined	2014		Undetermined	County is currently completing the westerly 2 lanes and the canal crossing. See Agreement recorded as document # 0729278, required as a condition of approval of the Town Water Company improvements to 1220-10-501-003. County may need to extend the Virginia Canal box culverts. PARTLY FUNDED BY OTHERS & PARTLY UNFUNDED
14	Muller Parkway "J" from the Virginia Canal south to the roundabout at Pinenut Road. Construct 4-lane divided roadway, length 1,000'. Future development fronting this road segment will construct the easterly 2 lanes.	Undetermined	Undetermined	2007 DCTP	\$0	Peri Enterprises constructed the westerly 2 lanes in 2012 under a development agreement with the County. FUNDED BY OTHERS
15	Third through lane on US 395 southbound at Jacks Valley Road (AKA US 395 #1)	Undetermined	Undetermined	2007 DCTP/US395 Study/NDOT LRE	Undetermined	Project identified as a near-term improvement in NDOT's US 395 Southern Sierra Corridor Study and the 2007 DCTP. UNFUNDED
16	Truck climbing lane on US 395 from Mica Dr. to N. Sunridge Dr.	\$660,000	Undetermined	2007 DCTP/US395 Study/NDOT LRE	Undetermined	Project identified as a near-term improvement in NDOT's US 395 Southern Sierra Corridor Study and the 2007 DCTP. UNFUNDED
17	Klauber Way from Ironwood Drive to Muller Lane; construct connecting street.	Undetermined	Undetermined	DCCD	Undetermined	Some right-of-way exists. Additional R.O.W. forthcoming from Mr. Bruce. Construct after installation of signal at Muller. UNFUNDED
18	Ironwood Drive Extension from Lucerne Street in Minden east to Heybourne Road. Construct as a 2-lane minor collector.	\$4,200,000	Undetermined	2007 DCTP	\$0	Construct concurrent with development, by development. Needed to maintain LOS C on County roads per 2007 DCTP. Reevaluate need with MP update. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
19	Heybourne Road Extension from Stephanie Way to Johnson Lane	\$6,000,000	Undetermined	2007 DCTP	Undetermined	Project identified as needed to maintain LOS C on county roads per 2007 DCTP. UNFUNDED
20	East Valley Road from Downs Drive north to Stephanie Way; improve to 2-lane minor collector standards per Master Plan Length approx. 2,600 feet.	Undetermined	Undetermined	2007 DCTP	\$0	Construction concurrent with development, by development. Improve to standards. UNFUNDED
21	East Valley Road from Stockyard Road north to Johnson Lane. Construct to 2-lane major collector, per Master Plan; Length approx. 19,600 feet.	Undetermined	2016-2017	2007 DCTP	Undetermined	Sunrise Pass Road. Needed to maintain LOS C per 2007 DCTP. UNFUNDED
22	US 50 South Shore Community Revitalization Project. This project would realign existing US Hwy 50 along Lake Parkway East. The Tahoe Transportation District (TTD) is the lead agency.	\$75,000,000	2016-2020	TRPA/NDOT	Undetermined	BCC approved the Project Charter July 16, 2009. Construction time-frame uncertain. NDOT will own the new alignment and county will be asked to accept the old US 50. \$300k/yr for 5 yrs from 5 cent gas tax then \$291k/yr from TTD funds. UNFUNDED
23	High School Street from Gilman Avenue to Courthouse Street. Length approx. 1350 feet.	Undetermined	2016-2030	GARD/2007 DCTP	\$0	Requested by the Town. Needed to maintain LOS C per 2007 DCTP. UNFUNDED
24	Dresslerville Road from Tillman Lane to Centerville Road; widen to 4-lane collector.	\$1,600,000	2016-2030	2007 DCTP	Undetermined	Per old MP, implement when ADT on Dresslerville Road exceeds 8800. 2012 ADT was 6800. Needed to maintain LOS C on county roads per 2007 DCTP. Reevaluate trigger with MP update. UNFUNDED
25	Heybourne Road #1 - from Meridian Blvd. south to Muller Parkway. Construct to collector standards.	Undetermined	2016-2030	DC School/2007 DCTP	Undetermined	Needed to maintain LOS C on county roads per 2007 DCTP. Need right-of-way. Needed to maintain LOS C on county roads per 2007 DCTP. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
26	Heybourne Road #2 – from Muller Parkway south to Gilman Avenue. Heybourne north of Buckeye must be completed to rural standards by 2017, and to urban standards by 2021 by Monterra. The schedule for The Ranch was modified by the Board on Oct. 4, 2012	Undetermined	2016-2030	2007 DCTP	\$0	Monterra subd. is required to construct south to Buckeye Road per Ord. No. 2012-1377. "The Ranch at Gardnerville" will construct from Buckeye Road to Gilman Avenue in phases with construction of the subdivision improvements. See Ord. 2012-1371. Needed to maintain LOS C on county roads or D on NDOT roads per 2007 DCTP. FUNDED BY OTHERS
27	Heybourne Road #3 – from Gilman Avenue east to Muller Parkway.	Undetermined	2016-2030	2007 DCTP	\$0	Construction by future development. Needed to maintain LOS C on county roads per the 2007 DCTP. UNFUNDED
28	East Valley Road Realignment, from Toler Lane south to East Valley Road	\$3,000,000	2016-2030	2007 DCTP	Undetermined	Needed to maintain LOS C on county roads per the 2007 DCTP. UNFUNDED
29	Sixth Street from US395 to the Heybourne Road/Buckeye Road intersection; widen to 4-lane collector	\$1,600,000	2016-2030	2007 DCTP	Undetermined	Concurrent with construction of Heybourne Road #1 and #2 above. Needed to maintain LOS C on county roads per the 2007 DCTP. UNFUNDED
30	Waterloo Lane from SR88 to US395 at Stodick Parkway; construct 2-lane collector.	\$23,600,000	2016-2030	2007 DCTP	Undetermined	Implement with adjacent development. Needed to maintain LOS C on county roads per 2007 DCTP. UNFUNDED
31	State Route 88 from County Road to Waterloo/Mottsville Lane; widen to 4 lanes	\$11,900,000	2016 - 2030	2007 DCTP/NDOT LRE	\$0	Needed to maintain LOS C on county roads or LOS D on state roads per 2007 DCTP.
32	State Route 88 from Waterloo/Mottsville Ln south to Kimmerling Road; widen to 4 lanes	\$12,500,000	2016 - 2030	2007 DCTP	\$0	Needed to maintain LOS C on county roads or LOS D on state roads. UNFUNDED
33	SR756 from Dresslerville Road to Waterloo Extension; widen to 4-lane major collector	\$11,400,000	2016 - 2030	2007 DCTP/NDOT LRE	\$0	NDOT responsibility. Needed to maintain LOS C on county roads or LOS D on NDOT roads. UNFUNDED
34	Johnson Lane from US395 to Vicky Lane; widen to 4-lane major collector	\$15,700,000	2016 - 2030	2007 DCTP/NDOT LRE	Undetermined	Needed to maintain LOS C on county roads per 2007 DCTP. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
35	Drayton Blvd from Pleasantview Drive south to the Aloha Ranch subdivision entrance, including masonry sound walls. Construct as a 2-lane collector.	Undetermined	2020 – 2030	2007 DCTP	Undetermined	Aloha Ranch subdivision has given \$33,333.33 (3 permits) and will contribute \$11,904.76 for next 14 permits for a total of \$200,000. County must construct Drayton within 10 years of final (17th) payment, per Ord. 2008-1268. UNFUNDED
36	Drayton Boulevard from Kimmerling Rd to Aloha Ranch subdivision entrance; construct 2-lane collector	Undetermined	2020 - 2030	2007 DCTP	Undetermined	Concurrent with development, by development. Needed to maintain LOS C on county roads per the 2007 DCTP. UNFUNDED
37	Genoa Lane Realignment, to match Airport road alignment	\$3,400,000	2016-2030	2007 DCTP	\$0	Needed per 2007 DCTP to maintain LOS C on county roads or LOS D on state roads. NDOT responsible. UNFUNDED.
38	East Valley Road connection, from East Valley south of Pinenut Road South to US 395.	\$10,000,000	2016-2030	2007 DCTP	Undetermined	Needed per 2007 DCTP to maintain LOS C on county roads. UNFUNDED
39	South Ranchos Connection, from Dressler Lane to the East Ranchos Connection.	\$6,600,000	2016-2030	2007 DCTP	Undetermined	Needed per 2007 DCTP to maintain LOS C on county roads. UNFUNDED
40	East Ranchos Connection, from Long Valley Road to US 395, 2-lane major Collector	\$15,000,000	2016-2030	2007 DCTP	Undetermined	Needed per 2007 DCTP to maintain LOS C on county roads. UNFUNDED
41	Dressler Lane Connection, from US 395 to SR 88/Fairview Lane. Construct as major collector.	\$40,700,000	2016-2030	2007 DCTP/NDOT LRE	\$0	Needed per 2007 DCTP to maintain LOS C on county roads or LOS D on state roads. UNFUNDED
42	Vicky Lane from Johnson Lane south to intersection with East Valley Road (AKA East Valley Road connection)	\$15,900,000	2016-2030	2007 DCTP	Undetermined	Need right-of-way. Construct after completion of East Valley Road through to Johnson Lane. Needed to maintain LOS C on County roads per the 2007 DCTP. UNFUNDED
43	US 395 Corridor improvements #2, from Jacks Valley Road to CC county line, incl. frontage roads, new freeway section, Topsy grade separation & Jacks Valley Rd interchange.	\$130,200,000	2016-2030	2007 DCTP	\$0	Needed to maintain LOS C on county roads or LOS D on state roads per the 2007 DCTP. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
NEW CONSTRUCTION & CAPACITY IMPROVEMENTS PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
44	US395 from SR88 to Jacks Valley Rd.; construct frontage roads and 4-lane freeway. (AKA US 395 #3 6-lanes)	\$138,500,000	2016-2030	2007 DCTP/NDOT LRE	Undetermined	Needed to maintain LOS C on county roads or LOS D on state roads per the 2007 DCTP. UNFUNDED
45	US 395 Westside Bypass, from south of Genoa Lane to north of Waterloo Lane. (AKA US 395 #4)	\$39,500,000	2016-2030	2007 DCTP	Undetermined	Needed to maintain LOS C on county roads or LOS D on state roads per the 2007 DCTP. UNFUNDED
46	US 395 from Pinenut Road to Palomino Dr. Widen to 5 lanes. (AKA US 395 #5) NDOT responsible.	\$29,100,000	2016-2030	2007 DCTP/NDOT LRE	\$0	Needed per 2007 DCTP to maintain LOS C on county roads or LOS D on state roads. UNFUNDED
47	Carson Valley Bypass; Alignment east of the Carson Valley, largely through public lands from south of Pinenut Road to Carson Freeway.	\$268,000,000	Beyond 2030	BCC/2007 DCTP/US 395 STUDY/NDOT LRE	Undetermined	This project was added at the direction of the Board of the Commissioners on March 2, 2000. It is also included in the NDOT US 395 Study. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
INTERSECTION IMPROVEMENT PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	Zerolene Road/US 395 intersection;	\$15,000	FY 2015/16	DCPW	\$15,000	Acquire R/W on NE corner. R/W needed to construct the Zerolene improvements required of The Ranch at Gardnerville.
2	Airport Road/US 395 intersection; Construct offset northbound right turn lane.	200,000	FY 2015/16	2012 RSA	\$36,320	Needed per NDOT RSA. NDOT Agreement has been signed .
3	Acceleration lane on US 395 northbound at Johnson Lane and Stephanie. Possible construction by NDOT concurrent with the safety improvements at Airport Road.	\$715,000	FY 2016/17	2007 DCTP/US395 Study	\$0	Construction by NDOT. Identified as a near-term improvement by the US 395 Southern Sierra Corridor Study. UNFUNDED
4	Centerville Road/SR88 intersection; Construct traffic signal or roundabout Monitor for signal warrants.	Undetermined	Undetermined	RTC/2012 RSA	Undetermined	Traffic signal identified by RTC at February 12, 2004 meeting. 2012 RSA recommends considering a roundabout. UNFUNDED
5	SR756 at Waterloo Ln.; right-turn lane on SR756 northbound at Waterloo Lane.	\$30,000	Undetermined	DCPW/2012 RSA	\$0	Not needed if roundabout is constructed at this location. UNFUNDED
6	Muller Parkway/US 395 intersection; Construct traffic signal or roundabout; Signal poles have been installed and Mast arms are in storage at Roads yard.	\$150,000	Undetermined	DCCD	Undetermined	Request new signal warrants study when Heybourne Road Connects to Muller Parkway. UNFUNDED
7	State Route 88 intersections; Waterloo/Mottsville, Centerville Road, Kimmerling Rd; lengthen turn lanes on highway, possible acceleration lanes	Undetermined	Undetermined	1996MP/2007 DCTP	Undetermined	Monitor NDOT studies annually. Awaiting NDOT SR88 corridor study. Request NDOT Corridor Study. UNFUNDED
8	Lucerne Street/US 395 intersection; Construct traffic signal or roundabout	Undetermined	Undetermined	2007 DCTP	\$0	Nevada Northwest LLC required to construct signal with phase 4, or prior to obtaining a building permit for the casino w/ intercon. FUNDED BY OTHERS.
9	Dresslerville Road/Centerville Road intersection; install traffic signal with advance warning signs, or roundabout Signal poles with street lights have been installed.	Undetermined	Undetermined	1996 MP	Undetermined	Developer Contributions held in Deferred Revenues. Coordinate with NDOT. Reevaluate with MP update. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
INTERSECTION IMPROVEMENT PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
10	Muller Parkway/Toler intersection Construct traffic signal or roundabout when warranted.	Undetermined	Undetermined	DCPW	Undetermined	Cost participation by various Developers. Contributions held in deferred revenue account. UNFUNDED
11	US395/Stodick Parkway intersection; install traffic signal and associated improvements or roundabout	\$350,000	Undetermined	2007 DCTP	Undetermined	Monitor LOS at intersection following construction of Waterloo Lane Extension to meet Stodick Parkway. UNFUNDED
12	SR756/Waterloo Lane intersection; install traffic signal and associated improvements, or roundabout. A roundabout would eliminate the need for a right turn lane, see item 6 above.	Undetermined	Undetermined	1996 MP/2012 RSA	Undetermined	Monitor LOS at intersection following construction of Waterloo Lane Extension. A 2012 RSA recommends a roundabout be considered. UNFUNDED
13	Kingsbury Grade/Foothill Road/Mottsville Road intersection; install traffic signal or roundabout	Undetermined	Undetermined	1996 MP	Undetermined	Reevaluate need with the next update to the transportation master plan. UNFUNDED
14	US395/SR208 intersection (at Holbrook Junction); install traffic signal and Associated improvements	Undetermined	Undetermined	1996 MP	\$0	Reevaluate need with the next update to the transportation master plan. UNFUNDED
15	Tillman/Kimmerling intersection; construct roundabout or traffic signal.	Undetermined	Undetermined	DCCD/DCPW	Undetermined	Some developer contributions collected. UNFUNDED
16	US 395/East Valley Road; traffic signal	Undetermined	Undetermined	2007 DCTP	Undetermined	2007 DCTP UNFUNDED
17	Zerolene/US395 intersection; install traffic signal (or roundabout) County needs to acquire additional R/W that developer has been unable to acquire on NE corner of intersection. See item 2 above.	Undetermined	Undetermined	US395 Study/2007 DCTP	Undetermined	Identified in the US 395 Southern Sierra Corridor Study as a future traffic signal location. The Ranch at Gardnerville must construct the Zerolene road improvements. UNFUNDED
18	Johnson Lane/US Hwy 395 intersection; Construct interchange per US395 Study.	\$5,000,000	2016 - 2030	US395 Study	Undetermined	Needed to improve traffic flow and safety. Obtain R/W. Included in NDOT 2015-2021 LRE. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
INTERSECTION IMPROVEMENT PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
19	Stephanie Way/US Hwy 395 intersection; Construct overpass per US395 Study.	\$5,000,000	2016 – 2030	US395 Study	Undetermined	Anticipate \$60,000 in developer contributions. Obtain R/W. Included in NDOT LRE for 2012-2020. UNFUNDED
20	Genoa Lane/Airport Road/US 395 intersection; Construct interchange per US395 Study.	\$7,000,000	2016 - 2030	US395 Study	Undetermined	Needed to improve traffic flow and safety. Realign Genoa Lane and Airport Road to a common intersection with US395. Obtain R/W. Included in NDOT LRE for 2015-2021. UNFUNDED
21	Muller Lane/US 395/Muller Parkway intersection; Construct interchange per US395 Study.	\$7,000,000	2016 - 2030	US395 Study	Undetermined	Needed to improve traffic flow and safety. UNFUNDED Included in NDOT LRE for 2012-2020.
22	Kahle Drive/US 50 Intersection Enhancements	Undetermined	2016 - 2030	TRPA ATP, SSTMA	Undetermined	Safety Improvement and gateway enhancements per the Kahle Drive Complete Streets Vision plan
23	Warrior Way/ US 50 Pedestrian Improvments	Undetermined	2016 - 2030	TRPA ATP, SSTMA	Undetermined	Pedestrian Improvements for crossing US 50 at Warrior Way.

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
TRANSIT PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	BlueGO service at Lake Tahoe; Fixed route and flex-route services through contract with Tahoe Transportation District (TTD) See TTD agreement for details.	Unknown	ANNUAL	BCC	\$100,000	Year-round service began in 2005. Contract with TTD started October 1, 2010. Funded \$50K from TDTD, and \$50K from AQMF, if AQMF funds are available for that use. To date they have not been available.
2	Douglas Area Rural Transit (DART); Provides service to the Minden, Gardnerville, Gardnerville Ranchos, Ruhenstroth, Genoa, Johnson Lane and Indian Hills areas.	\$569,676	ANNUAL/ONGOING	NEEDS	\$184,445	Funding shown in spreadsheet as zero dollars because matching funds are paid from the General Fund and \$20,000 from a State grant, not RTC or TDTD.
3	Kingsbury/US50 Transit Center; Lease space for transit services and for BCC meetings.	\$35,000	ANNUAL/ONGOING	BCC	\$35,000	(EIP #777) See Res. 2008R-071 and 072 and Res. 2009R-021 re: payment.
4	Contract with SS/TMA for professional services as an advocate for County objectives in the Tahoe basin.	\$2,500	ANNUAL/ONGOING	SS/TMA	\$2,500	Annual contract approved by BCC on March 15, 2007.
5	Tahoe Ski Bus – This bus shuttles students from the Carson Valley to Heavenly Ski Resort	\$15,000	ANNUAL/ONGOING	PARKS	\$15,000	Funded from TDTD funds beginning FY 13/14
6	Triangle Route Transit Service connecting Minden/Gardnerville to Carson City and Stateline.	Unknown	Ongoing	TTD/CAMPO	\$0	This service replaced the Kingsbury Commuter Shuttle and is operated by the TTD using 5311 funds. FUNDED BY OTHERS
7	Transit Facilities; bus shelter in Stateline on US Hwy 50 westbound. Originally planned To be at Harvey's, it will likely be relocated due to potential utility conflicts.	Undetermined	Undetermined	TTD	\$0	Will serve BLUEGO and the Triangle Route Transit Service. Implementation by TTD. FUNDED BY OTHERS
8	Transit Facilities; bus shelter facilities at various locations in the Tahoe-Douglas areas. Warrior Way and other locations	Undetermined	2016-2019	TTD	Undetermined	TDTD Funding as funding source
9	"Park & Ride" Lots; construct near US395 intersection with Stephanie Way, Johnson Lane, Riverview Drive, Muller Lane, Mica Drive, Jacks Valley Road.	Undetermined	Undetermined	1996 MP	Undetermined	Requested construction by NDOT. Reevaluate with update to transportation master plan. UNFUNDED
10	Acquire V&T right-of-way for future transit service corridor	Undetermined	Undetermined	BCC	Undetermined	Direction from Board of Commissioners at 3/2/00 meeting. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
TRANSIT PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
11	US Hwy 50 Casino Core, landscaping, transit and pedestrian improvements. Needed, per SSAP, with funding by NDOT and the casinos. In the SSAP, refer to Tahoe Goal 4, Action 4.2.	Undetermined	Undetermined	SSAP	\$0	The Casino Core improvements will be addressed with the realignment of US 50 along Lake Parkway East. Refer to the US 50 South Shore Community

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
BIKE AND PEDESTRIAN FACILITIES PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
1	ADA Compliance Implementation Plan. Provide ADA-compliant pedestrian facilities, primarily sidewalks and pedestrian ramps. Potential for grant funding.	\$30,000	FY 16/17	DCPW	\$30,000	Annual ongoing program for urban areas with first priority along routes requested by handicapped persons. Transition Plan in CAMPO area has been started.
		\$30,000	FY 18/19	DCPW	\$30,000	
		\$30,000	FY 19/20	DCPW	\$30,000	
		\$30,000	FY 20/21	DCPW	\$30,000	
2	Widen Bridge #287 on SR 756; Provide bike/pedestrian improvements over the bridge and connect to existing sidewalks north and south of the bridge.	\$588,000	2017-18	GARDNERVILLE	\$28,000	NDOT approved this in 2013 as a Transportation Alternatives Program project. NDOT will design & construct.
3	Widen existing roadway to provide 5 foot bike lanes on SR756 from Bridge #287 to Waterloo Lane at Lampe Park.	\$600,000	2017-18	DCPW/GARD	\$30,000	NDOT approved this in 2014 as a Transportation Alternatives Program project. TAP grant and LPA program with NDOT to kick-off Jan 15
4	Martin Slough Pedestrian/Bike Path; Construct missing segments from Chichester Estates to Lucerne Street. RO Anderson will design. \$585,238 grant funding from NDOT. \$50K County contribution is from the General Fund.	\$810,238	2016 - 2017	DCCD	\$225,000	NDOT approved this in 2013 as a Transportation Alternatives Program project with \$50K from DC, \$25K from Town of Gardnerville, \$25K from Town of Minden, \$100K from The Ranch at Gardnerville, and \$25K from Dean Seaman Found.
5	Stateline Bikeway Demonstration Project; Phase III from CA/NV state line on Lake Parkway to Kahle Drive; The Tahoe Transportation District is the lead agency and is working with Edgewood to complete the improvements on their property.	300,000	2016-2017	TTD; TRPA ATP	Undetermined	The segment along Laura Drive was constructed in 2014. The Douglas County Parks Department will maintain the trail.
6	Construct Class II Bike Lane along US 50 from Stateline to Spooner Summit.	122,100	2016-2017	TMPO; TRPA ATP	\$0	These improvements are consistent with the Tahoe BPP. FUNDED BY NDOT.
7	Elks Point Road from US Hwy 50 to McFaul Way; designate this street as a bike route with appropriate signage and possible pavement markings. Will connect existing bike lanes to existing trail. Round Hill GID maintains this road and can make the appropriate improvements.	\$2,000	2015-2016	TMPO; TRPA ATP	\$0	The need for these improvements was identified by the TMPO during the 2014 public input process to update the 5-Year Transportation Plan. FUNDED BY OTHERS
8	Stateline to Stateline Bikeway Project; this project will ultimately circumnavigate Lake Tahoe.	Undetermined	2015-2016	TTD	Undetermined	TTD is the lead agency. Project will be constructed in phases as funding, etc., becomes available. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
BIKE AND PEDESTRIAN FACILITIES PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
9	US Hwy 50 from Lake Parkway to Kingsbury Grade; construct new multi use path or sidewalk along the easterly side of the road.	\$156,000	2016-2017	TRPA ATP	Undetermined	NDOT should construct this sidewalk because they own and Maintain US Hwy 50. This should be done with the Revitalization Project at the latest. UNFUNDED
10	Market Street to Van Sickle Bi-State Park "Nevada Greenway" Multi Use Path; Construct a shared use path from the south end of Market Street to the park, and designate Market Street as a bike route.	\$2,310,000	2016-2017	TRPA ATP	Undetermined	Designation of Market Street as a bike route should occur concurrent with construction of the path. UNFUNDED
11	Pine Ridge Drive from Kingsbury Grade to the cul-de-sac; Install Way Finding signs to Multi-Use Trails.	\$1,000	2016-2017	SSAP/TRPA ATP	\$1,000	Kingsbury General Improvement District maintains Pine Ridge Drive and Douglas County can install the appropriate signage. UNFUNDED
12	TRPA promoting a shared use path from Pine Ridge to US 50/Kahle and to Elks Point Road as a sidewalk or preferred shared use path. Participation from Sierra Colina to connect and partnership.	\$3,210,000	Undetermined	TRPA ATP	\$0	Connectivity is needed with the existing and proposed network of share use paths. These improvements are discussed in the TRPA Active Transportation Plan.
13	Class 1 Multi-Use Trail to connect Kahle Community Park with the US 50 Kahle Drive Intersection and Pine Ridge Drive.	\$1,500,000	2017/2018	TRPA ATP; SSTMA	\$0	These improvements are discussed in the Burke Creek-Rabe Meadow Complex Master Plan (November 2014). UNFUNDED
14	Kingsbury Grade from US Hwy 50 to Dagget Pass; construct bike lanes or wide shoulder.	Undetermined	Undetermined	TRPA ATP	\$0	These improvements should be constructed by NDOT with the reconstruction of Kingsbury Grade in 2014/15. FUNDED BY OTHERS
15	SR88/US395 intersection landscaping project. Remove asphalt concrete medians. Install landscaping, irrigation, sidewalk crossing, etc.	Undetermined	Undetermined	DCPW/MINDEN	Undetermined	Town of Minden has indicated a desire to construct this project. Possible future roundabout at this location. FUNDED BY OTHERS
16	US 395 Sidewalk Improvements Adjacent to Kings Lane in Gardnerville	\$329,000	Undetermined	NDOT	\$48,237	NDOT Statewide Transportation Improvement Program TAP Funds

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN
BIKE AND PEDESTRIAN FACILITIES PROGRAM

	ROADWAY LOCATION AND DESCRIPTION OF WORK	ESTIMATED COST	SCHEDULE	PROJECT SOURCE*	COUNTY SHARE	COMMENTS
17	SR756, from Douglas Avenue to Dresslerville Road; On-street trail (bike lanes). Approx. length 10,200 feet	Undetermined	Undetermined	Trails	\$0	Widen existing roadway, stripe and sign for bike lanes. SR756 is maintained by NDOT. Very high priority per the Trails Plan. FUNDED BY OTHERS
18	County Road, from SR88 to 2nd Street; On-street trail (bike lanes). Approx. length 5,200 feet	\$8,000	Undetermined	Trails	\$8,000	Stripe and sign existing roadway. Very high priority per the Trails Plan. UNFUNDED.
19	2nd Street, from County Road to Wildrose; On-street trail (bike lanes). Approx. length 250 feet Priority per the Trails Plan.	\$1,000	Undetermined	Trails	\$0	Stripe and sign existing roadway. 2nd Street is maintained by the Town of Minden. Very high priority per the Trails Plan. FUNDED BY OTHERS
20	Wildrose, from 2nd Street to Spruce Street; On-street trail (bike lanes) Approx. length 1,400 feet.	\$3,000	Undetermined	Trails	\$0	Stripe and sign existing roadway. Wildrose is maintained by the Towns of Minden & Gardnerville. Very high priority per the Trails Plan. FUNDED BY OTHERS.
21	Spruce Street, from Wildrose to Douglas; On-street trail (bike lanes) Approx. length 500 feet	\$1,000	Undetermined	Trails	\$0	Stripe and sign existing roadway. Spruce Street is maintained by the Town of Gardnerville. Very high priority per the Trails Plan.
22	Douglas Avenue, from Spruce Street to SR756 On-street trail (bike lanes) Approx. length 3,100 feet.	\$5,000	Undetermined	Trails	\$0	Stripe and sign existing roadway. Douglas Avenue is maintained by the Town of Gardnerville. Very high priority per the Trails Plan. FUNDED BY OTHERS.
23	Dresslerville Road, from SR756 to Riverview Drive intersection; On-street trail (bike lanes). Approx. length 7,600 feet.	Undetermined	Undetermined	Trails	Undetermined	Widen roadway, stripe and sign for bike lanes. Very high priority per the Trails Plan. UNFUNDED
24	Tillman Lane, from Dresslerville Road to Kimmerling Road; On-street trail (bike lanes) Approx. length 6,500 feet	Undetermined	Undetermined	Trails	Undetermined	Widen roadway, stripe and sign for bike lanes. Very high priority per the Trails Plan. UNFUNDED.
25	Implement Douglas County Comprehensive Trails Plan. Implement all projects with priorities that are less than "high".	Undetermined	2015 - 2030	Trails	Undetermined	Refer to Comprehensive Trails Plan, adopted June 5, 2003. UNFUNDED

DOUGLAS COUNTY 5-YEAR TRANSPORTATION PLAN - FUNDED PROJECTS (thousands of dollars)																																	
	APPROVED 3/17/2016		Year 1 FY 16/17			Year 2 FY 17/18			Year 3 FY 18/19			Year 4 FY 19/20			Year 5 FY 20/21			Year 6 FY 21/22			Year 7 FY 22/23			Year 8 FY 23/24			Year 9 FY 24/25			Year 10 FY 25/26			
			430	232	236	430	232	236	430	232	236	430	232	236	430	232	236	430	232	236	430	232	236	430	232	236	430	232	236	430	232	236	
PROGRAM	Project Description	Limits/Description	9 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	4 cent gas tax (RTC)** plus residential and commercial constr. taxes, and general fund transfer	6.35 cent gas tax plus Valley Room Tax (BCC)*	1% Room Tax at Lake Tahoe (TDTD)	
	(A) Opening Balance July 1 (includes reserves)		\$4,036	\$907	\$249	\$3,346	\$1,024	\$303	\$9,302	\$2,200	\$355	\$7,447	\$3,260	\$407	\$6,591	\$3,603	\$459	\$4,530	\$3,929	\$802	\$4,662	\$4,238	\$1,145	\$4,209	\$4,529	\$1,488	\$3,849	\$4,802	\$1,830	\$3,664	\$5,107	\$2,172	
	Reserve - one month's revenue		\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	\$329	\$167	\$42	
	Reserve - Drayton Blvd		\$450			\$450			\$450			\$450			\$450			\$450			\$450			\$450			\$450			\$450			
	Reserve - Muller Parkway "C1" and "C2"		\$446			\$446			\$446			\$446			\$446			\$446			\$446			\$446			\$446			\$446			
	Reserve - Improvements		\$1,105			\$1,105			\$1,105			\$1,105			\$1,105			\$1,105			\$1,105			\$1,105			\$1,105			\$1,105			
	Reserve - Road Equipment Replacement			\$475			\$475			\$1,675			\$2,775			\$3,075			\$3,375			\$3,675			\$3,975			\$4,275			\$4,575		
	Reserve - Emergency Road Work		\$500	\$140		\$600	\$140		\$700	\$140		\$800	\$140		\$900	\$140		\$1,000	\$140		\$1,100	\$140		\$1,200	\$140		\$1,300	\$140		\$1,400	\$140		
	Reserve - US 50 Revitalization at Lake Tahoe		\$300			\$600			\$900			\$1,200			\$1,250		\$291	\$1,250		\$582	\$1,250		\$873	\$1,250		\$1,164	\$1,250		\$1,455	\$1,250		\$1,746	
	(B) Subtotal of Reserves		\$3,130	\$782	\$42	\$3,530	\$782	\$42	\$3,930	\$1,982	\$42	\$4,330	\$3,082	\$42	\$4,480	\$3,382	\$333	\$4,580	\$3,682	\$624	\$3,580	\$3,982	\$42	\$3,580	\$4,282	\$42	\$3,580	\$4,582	\$42	\$3,580	\$4,882	\$1,788	
	(C) Funds Available July 1 (A-B)		\$906	\$125	\$206	(\$184)	\$242	\$261	\$5,372	\$218	\$313	\$3,118	\$178	\$365	\$2,112	\$221	\$126	(\$50)	\$247	\$178	\$1,083	\$256	\$1,103	\$629	\$247	\$1,445	\$270	\$220	\$1,788	\$84	\$225	\$384	
	(D) Estimated Revenue		\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	\$3,945	\$1,503	\$506	
	\$12,000,000 Bond For Road Projects					\$12,000																											
	(E) Funds Available for projects (at year's end) (C+D)		\$4,851	\$1,628	\$712	\$15,761	\$1,745	\$767	\$9,317	\$1,721	\$819	\$7,063	\$1,681	\$871	\$6,057	\$1,724	\$632	\$3,895	\$1,750	\$684	\$5,028	\$1,759	\$1,609	\$4,574	\$1,750	\$1,951	\$4,215	\$1,723	\$2,294	\$4,029	\$1,728	\$890	
Rout. Maint.	1. County-wide	General road maintenance		\$675	\$0		\$700	\$0		\$700	\$0		\$700	\$0		\$700	\$0		\$700	\$0		\$700	\$0		\$700	\$0		\$650	\$15	\$0		\$650	\$0
Rout. Maint.	2. Stateline Stormwater	Ongoing cleaning, testing		\$15			\$15			\$15			\$15			\$15			\$15			\$15			\$15			\$15			\$15		
Rout. Maint.	3. Snow Removal	Stateline parking garage			\$25			\$25			\$25			\$25			\$25			\$25			\$25			\$25					\$25		
Rout. Maint.	4. Traffic signal upgrades	Improve video detection																															
Prev. Maint.	1. Road Seal & Overlay	County wide				\$680			\$700			\$700			\$900			\$900			\$1,000			\$1,000			\$1,000			\$1,000			
Safety Equip	1. Portable Rail W/ Attenuators		\$50																														
	2. Message Board x 2		\$50																														
Engineering	Geotech and Engineering	County wide	\$200			\$200			\$200			\$200			\$200			\$200			\$200			\$200			\$200			\$200			
Rehabil.	1. Buckeye Road	Rehabilitate Road	\$1,263																														
Rehabil.	2. Pioneer Trail area	Rehabilitate Roads	\$100																														
Rehabil.	3. Bridges and culverts	Upgrades to crossings																															
Rehabil.	4. Rehab culverts	County wide	\$60			\$60			\$60			\$80			\$80			\$80			\$60			\$60			\$80			\$80			
Rehabil.	5. Fredericksburg Road	Improve drainage	\$90																														
Rehabil.	6. Rehabilitation	Mottsville	\$2,100																														
	7. Rehabilitation	General Rehab										\$1,000			\$1,000			\$1,000			\$1,500			\$1,400			\$1,200			\$1,000			
	12 Mil Bond @ 4%	Dept services				\$883			\$883			\$883			\$883			\$883			\$883			\$883			\$883			\$883			
	Equipment Replacement	Transfer out				\$1,200			\$1,100			\$300			\$300			\$300			\$300			\$300			\$300			\$300			
Bonding Projects	Centerville					\$2,010																											
	Jacks Valley, Waterloo	Dresslerville, Johnson Ln				\$4,406			\$2,300			\$1,200			\$2,200																		